

**Notice of Allowability**

Application No.

10/799,531

Examiner

Thomas A. Morrison

Applicant(s)

TAKEUCHI, TORU

Art Unit

3653

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to applicant's 07/21/2006 amendment.
2. ☒ The allowed claim(s) is/are 1, 4-6, 9, 15-18, 21 and 23.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

## **DETAILED ACTION**

### **EXAMINER'S AMENDMENT**

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Joseph Price (Reg. No. 25,124) on 10/12/2006.

#### **IN THE CLAIMS:**

In claim 1, line 12 after "mover", -- unit -- has been inserted.

In claim 4, line 13 after "mover", -- unit -- has been inserted.

Claim 14 has been canceled.

In claim 15, line 12 after "mover", -- unit -- has been inserted.

In claim 15, line 19 before "surface", "the" has been replaced with -- a --.

In claim 15, line 21 after "gear", -- portion -- has been inserted.

In claim 16, line 6 before "for", -- a mover unit -- has been replaced with -- mover means --.

In claim 16, line 7 before "moving", "unit" has been replaced with -- means --.

In claim 16, line 8 before "in", "unit" has been replaced with -- means --.

In claim 16, line 10 before "for", "a rotating driving unit" has been replaced with -- rotating driving means --.

Art Unit: 3653

In claim 16, line 13 after "mover", -- means -- has been inserted.

In claim 16, line 15 before "is", "unit" has been replaced with -- means --.

In claim 16, line 18 after "driving", "unit" has been replaced with -- means --.

In claim 16, line 20 before "is", "unit" has been replaced with -- means --.

In claim 16, line 21 before "is", "unit" has been replaced with -- means --.

In claim 16, line 23 before "and", "unit" has been replaced with -- means --.

In claim 16, line 23 after "the mover", "unit" has been replaced with -- means --.

In claim 17, line 1 after "mover", "unit" has been replaced with -- means --.

In claim 18, line 2 after "driving", "unit" has been replaced with -- means --.

Claims 19 and 20 have been canceled.

In claim 21, line 3 after "driving", "unit" has been replaced with -- means --.

In claim 21, line 3 before "when", "unit" has been replaced with -- means --.

Claim 22 has been canceled.

In claim 23, line 12 after "mover", -- unit -- has been inserted.

In claim 23, line 22 after "guide", -- unit -- has been inserted.

***Allowable Subject Matter***

2. The following is an examiner's statement of reasons for allowance:

Independent claim 1 of applicant's 07/21/2006 amendment is patentable over the prior art of record because the teachings of the references taken as a whole do not show or render obvious the combination set forth, including a pivoting shaft having a first end and a second end, in which a pivotable lever is mounted on the first end of the pivoting shaft; and a sector gear is mounted on the second end of the pivoting shaft, with the sector gear being engaged with a rotating driving unit and driven in one of a clockwise direction and a counter clockwise direction to impart reciprocating motion to a mover unit.

Independent claims 4 and 16 of applicant's 07/21/2006 amendment are patentable over the prior art of record because the teachings of the references taken as a whole do not show or render obvious the combination set forth, including a mover unit/means disposed within a banknote storing unit, a rotating driving unit/means disposed within a banknote receiving unit, and a mover driving unit including a plurality of mover driving unit gears for conducting rotational force between the rotating driving unit/means and the mover unit/means, in which a portion of the plurality of mover driving unit gears are disposed within the banknote storing unit.

Independent claim 15 of applicant's 07/21/2006 amendment is patentable over the prior art of record because the teachings of the references taken as a whole do not show or render obvious the combination set forth, including a pivotable lever having a sector gear portion, in which the pivotable lever is pivotable at a shaft located at a

Art Unit: 3653

surface of a banknote storing unit and operatively connected with a mover unit, and the sector gear portion engages with a rotating driving unit for reciprocating the mover unit.

Independent claim 23 of applicant's 07/21/2006 amendment is patentable over the prior art of record because the teachings of the references taken as a whole do not show or render obvious the combination set forth, including a standby position detecting unit having a light-emitting element, a photo acceptance element with parallel optical axis and an optical guide unit that reverses the direction of light from the light-emitting element to the photo acceptance element, and the optical guide unit includes a gap detecting space and a mover unit includes a pusher member with a portion that enters the gap detecting space in a standby position.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

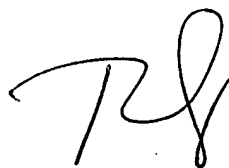
3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas A. Morrison whose telephone number is (571) 272-7221. The examiner can normally be reached on M-F, 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Mackey can be reached on (571) 272-6916. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 3653

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

10/12/2006



PATRICK MACKEY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 3600